

## 078-us1.ST25 SEQUENCE LISTING

<110>	Paz Einat, Louis Deiss, and Ruth Maya										
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att ttt Ile Phe	ccc tac gtg gaa ttg gat cta cat agc tat gat tta ggc ata Pro Tyr Val Glu Leu Asp Leu His Ser Tyr Asp Leu Gly Ile 35 40 45	384									
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cca aat Pro Asn	ggc acc ata cga aat att ctg ggt ggc acg gtc ttc aga gaa Gly Thr Ile Arg Asn Ile Leu Gly Gly Thr Val Phe Arg Glu Page 1	576									

Applicants: Paz Einat et al.
U.S. Serial No.: 10/618,143
Filing Date: July 11, 2003
Title: ISOCITRATE DEHYDROGENASE AND USES THEREOF
Exhibit B

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cct Pro	atc Ile	atc Ile	ata Ile 130	ggt Gly	cgt Arg	cat His	gct Ala	tat Tyr 135	ggg Gly	gat Asp	caa Gln	tac Tyr	aga Arg 140	gca Ala	act Thr	672
gat Asp	ttt Phe	gtt Val 145	gtt val	cct Pro	ggg Gly	cct Pro	gga Gly 150	aaa Lys	gta Val	gag Glu	ata Ile	acc Thr 155	tac Tyr	aca Thr	cca Pro	720
agt Ser	gac Asp 160	gga Gly	acc Thr	caa Gln	aag Lys	gtg Val 165	aca Thr	tac Tyr	ctg Leu	gta Val	cat His 170	aac Asn	ttt Phe	gaa Glu	gaa Glu	768
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gat Asp	ttt Phe	gca Ala	cac His	agt Ser 195	tcc Ser	ttc Phe	caa Gln	atg Met	gct Ala 200	ctg Leu	tct Ser	aag Lys	ggt Gly	tgg Trp 205	cct Pro	864
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Page 2

078-us1.ST25	
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Arg Asp Ala Thr Asn Asp Gln Val Thr Lys Asp Ala Ala Glu Ala Ile 50 55 60 Lys Lys His Asn Val Gly Val Lys Cys Ala Thr Ile Thr Pro Asp Glu 65 70 75 80 Lys Arg Val Glu Glu Phe Lys Leu Lys Gln Met Trp Lys Ser Pro Asn 85 90 95 Gly Thr Ile Arg Asn Ile Leu Gly Gly Thr Val Phe Arg Glu Ala Ile 100 105 110 Ile Cys Lys Asn Ile Pro Arg Leu Val Ser Gly Trp Val Lys Pro Ile 115 120 125 Ile Ile Gly Arg His Ala Tyr Gly Asp Gln Tyr Arg Ala Thr Asp Phe 130 135 140 Val Val Pro Gly Pro Gly Lys Val Glu Ile Thr Tyr Thr Pro Ser Asp 145 150 155 160 Gly Thr Gln Lys Val Thr Tyr Leu Val His Asn Phe Glu Glu Gly Gly 165 170 175 Gly Val Ala Met Gly Met Tyr Asn Gln Asp Lys Ser Ile Glu Asp Phe 180 185 190 Ala His Ser Ser Phe Gln Met Ala Leu Ser Lys Gly Trp Pro Leu Tyr 195 200 205 Leu Ser Thr Lys Asn Thr Ile Leu Lys Lys Tyr Asp Gly Arg Phe Lys 210 215 220 Asp Ile Phe Gln Glu Ile Tyr Asp Lys Gln Tyr Lys Ser Gln Phe Glu 225 230 235 240 Ala Gln Lys Ile Trp Tyr Glu His Arg Leu Ile Asp Asp Met Val Ala 245 250 255 Gln Ala Met Lys Ser Glu Gly Gly Phe Ile Trp Ala Cys Lys Asn Tyr 260 265 270 Asp Gly Asp Val Gln Ser Asp Ser Val Ala Gln Gly Tyr Gly Ser Leu 275 280 285 Gly Met Met Thr Ser Val Leu Val Cys Pro Asp Gly Lys Thr Val Glu 290 295 300 Page 4

## 078-us1.ST25

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Ala Ph	ne Phe 355	Ala	Asn	Ala	Leu	Glu 360	Glu	٧a٦	Ser	Ile	G]u 365	Thr	Ile	Glu	
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<sup>&</sup>lt;210> 4 <211> 452 <212> PRT <213> Homo sapiens

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Val Trp Ala Cys Lys Asn Tyr Asp Gly Asp Val Gln Ser Asp Ile Leu 305 310 315 320

Ala Gln Gly Phe Gly Ser Leu Gly Leu Met Thr Ser Val Leu Val Cys 325 330 335

Pro Asp Gly Lys Thr Ile Glu Ala Glu Ala Ala His Gly Thr Val Thr 340 345 350

Arg His Tyr Arg Glu His Gln Lys Gly Arg Pro Thr Ser Thr Asn Pro 355 360 365

Ile Ala Ser Ile Phe Ala Trp Thr Arg Gly Leu Glu His Arg Gly Lys 370 375 380

Leu Asp Gly Asn Gln Asp Leu Ile Arg Phe Ala Gln Met Leu Glu Lys 385 390 395 400

Val Cys Val Glu Thr Val Glu Ser Gly Ala Met Thr Lys Asp Leu Ala 405 410 415

Gly Cys Ile His Gly Leu Ser Asn Val Lys Leu Asn Glu His Phe Leu 420 425 430

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